

Operating Instructions

Mobile Compressor

AIRBOY 186 OF E

AIRBOY 206 OF E



AIRBOY 186 OF E



AIRBOY 206 OF E

AIRBOY

Imprint

Product identification

Compressor	Item number:
AIRBOY 186 OF E	2001230
AIRBOY 206 OF E	2001235

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Indications regarding the operating instructions

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Indications regarding the operating instructions

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1 Introduction

You have made a good choice by purchasing the compressor made by AIRCRAFT.

Please thoroughly read the operating instructions before commissioning.

It informs you about the proper commissioning, the intended use as well as the safe and efficient operation and maintenance of your compressor.

The operating instructions are part of the compressor. Always keep it at the place of use of the compressor. Furthermore, the local accident prevention regulations and the general safety notes are applicable for the field of application of the compressor.

The illustrations in these operating instructions serve the general comprehension and may deviate from the actual type.

1.1 Copyright

The contents of these instructions are copyright. Their application is admissible in the frame of the compressor utilisation. An application beyond the describe application is not allowed without written approval of the manufacturer.

For the protection of our products, we shall register trademark, patent and design rights, as this is possible in individual cases. We strongly oppose any infringement of our intellectual property.

1.2 Customer service

Please contact your dealer if you have questions on your compressor or if you need technical advice. They will help you with specialist information and expert advice.

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We are always interested in valuable experience and knowledge gained from using the application, which then could be shared and be valuable to develop our products even further.

1.3 Limitation of liability

All information and notes in these operating instructions were summarised taking the applicable standards and rules, the state-of-the-art and our long-term knowledge and experiences into consideration.

In the following cases the manufacturer is not liable for damages:

- Non-observance of the operating instructions,
- Inappropriate use,
- Use of untrained staff,
- Unauthorised modifications,
- Technical chances,
- Use not allowed spare parts

The actual scope of delivery may deviate from the explanations and presentations described here in case of special models, when using additional ordering options or due to latest technical modifications.

The obligations agreed in the delivery contract, the general terms and conditions as well as the delivery conditions of the manufacturer and the legal regulations at the time of the conclusion of the contract are applicable.

2 Safety

This paragraph will give you an overview of all important safety packages for the protection of the people using it as well as for a safe and undisturbed operation. Other task-based safety notes are included in the individual chapters.

2.1 Symbol explanations

Safety instructions

The safety notes in these operating instructions are highlighted by symbols. The safety notes are introduced by signal words which express the concern of the risk.



DANGER!

This combination of symbol and signal words indicates an imminently dangerous situation which may lead to death or severe injuries if they are not avoided.



WARNING!

This combination of symbol and signal words indicates a possibly dangerous situation which may lead to death or severe injuries if they are not avoided.



CAUTION!

This combination of symbol and signal words indicates a possibly dangerous situation which may lead to minor or light injuries if they are not avoided.



ATTENTION!

This combination of symbol and signal words indicates a possibly dangerous situation which may lead to property and environmental damages if they are not avoided.



NOTE!

This combination of symbol and signal words indicates a possibly dangerous situation which may lead to property and environmental damages if they are not avoided.

Tips and recommendations



Tips and recommendations

This symbol highlights useful tips and recommendations as well as information for an efficient and trouble-free operation.

It is necessary to observe the safety notes written in these operating instructions in order to reduce the risk of personal injuries and damages to property.

2.2 Operator responsibility

Operator

Operators are defined as the persons who operate the machine for commercial or profit-based purposes or provide the machine to third parties for use or application and bear the legal product responsibility in terms of the protection of users, staff or third parties during operation.

Obligations of the operator:

If the machine is used for commercial purposes, operators are subject to the legal stipulations in terms of occupational safety. For this reason, the safety instructions in these operating instructions as well as the safety, accident prevention and environmental protection regulations valid at the installation location must be complied with. In this process, the following shall apply in particular:

- Operators shall obtain information about valid occupational safety regulations and determine additional hazards as part of a risk assessment which result from the specific operating conditions at the machine's installation location. Said risk assessment shall be reflected in operating instructions for machine operation.
- During the entire machine operating time operators must check whether the operating instructions they created meet current standards and adapt the operating instructions where necessary.
- Operators shall clearly manage and specify the responsibilities for installation, operation, troubleshooting, maintenance and cleaning.
- Operators must make sure that all persons handling the machine have read and understood these operating instructions. Operators must also regularly train staff and notify of the hazards.
- Operators shall provide staff with the required protective equipment and wearing the required protective equipment shall be mandatory.

Operators shall also be responsible for maintaining the machine in a technically perfect condition. For this reason, the following shall apply:

- Operators shall make sure that the maintenance intervals described in these operating instructions are complied with.
- Operators shall regularly check that the safety equipment is fully functional and complete.

2.3 Operating staff qualification

Qualifications

The different tasks described in these operating instructions require different levels of skills in terms of the qualifications of operating staff working with the machine.



WARNING!

Risk from inadequately qualified persons!

Inadequately qualified persons are unable to assess the risks when handling the machine, thus putting themselves and others at risk of severe injuries.

- All work must be carried out by qualified persons only.
- Keep inadequately qualified persons and children away from the work area.

Exclusively persons of whom it can be expected that they reliably complete assigned tasks shall be authorised to carry out any tasks. Persons whose reactions have been impaired shall not be authorized, e.g. drug users, users under the influence of alcohol or medication.

This manual identifies the qualifications of the persons listed below for the different tasks:

Operator

The operator has been instructed in a briefing by the operator about the tasks assigned to him and possible dangers of improper behavior. The operator may only carry out tasks that go beyond normal operation if this is specified in this operating manual and the operator has expressly entrusted this to him.

Qualified electrician:

Due to the electrician's specialised training, know-how, experience and knowledge of pertinent standards and regulations the electrician is in a position to work on the electrical systems, and autonomously identify and avoid potential hazards.

Specialist staff:

As a result of specialist training, expertise, experience and skills in terms of the relevant standards and regulations, specialist staff is able to complete the tasks they are entrusted with and independently identify hazards and avert risks.

Manufacturer:

Certain work must be carried out by manufacturer specialist staff only. Other staff is not permitted to carry out this work. Contact our customer service to have the work carried out.

2.4 Personal protective equipment

Personal protective equipment is intended to protect the health and safety of persons at work. Staff must wear the personal protective equipment indicated in individual sections of these operating instructions when carrying out the different tasks on the machine.

The personal protective equipment is described in the following section:



Hearing protection

Hearing protection protects the ears against hearing damage caused by noise.



Eye protection

Protective glasses protect the eyes against projected parts and splashes of liquid.



Respiratory protection

Respiratory protection serves to protect the respiratory tract and lungs against absorbing dust particles.



Protective gloves

Protective gloves protect the hands from components with sharp objects as well as friction, abrasion, and deep-cut injuries.



Safety shoes

Safety shoes protect feet from pinching, falling parts and slipping on slippery surfaces.



Protective clothing

Protective work clothing means tight-fitting clothing with low tear resistance.

2.5 General safety instructions

- Observe the guidelines and accident prevention regulations of the employers' liability insurance association for the handling of compressors and pneumatic tools
- The compressor must not be operated in rainy or humid or wet conditions.

**CAUTION! RISK OF INJURY**

- Never direct compressed air to persons or animals.
- Grab the end of the compressed air hose with your hand before opening the quick coupling in order to prevent the tool from flying off by pressure.
- Allow the compressor to cool down prior to maintenance work.

2.6 Verification of operational safety

The pressure tank of the compressor is submitted to inspection. The manufacturer submitted the pressure tank to an inspection according to the EC Directive 2014/29 EG in conjunction with the EC type examination according to article 10 as well as according to EN286-1. A copy of this type examination certification and/or declaration of conformity is included in the scope of delivery of every compressor.

The operating company must have re-inspected the individual components to be inspected by an expert or by a „qualified person“ in the prescribed intervals. The operating regulations for this may differ in the individual EC countries.

Regulations for compressed air tanks in Germany

Inspection periods

The given inspection periods are maximum values. They should be verified by the risk assessment/valuation of employer of the operating company. No delays are admissible for this. It is only possible to shorten the period.

The product of pressure and volume depends on the inspection periods. For this, the maximum admissible pressure (PS) must be multiplied with the pressure tank volume (V).

Example:

Pressure tank= 50l ; max. zulässiger Druck= 10 bar
 $50 \text{ l} \times 10 \text{ bar} = 500$

Check	Inspection periods	Inspection organisation
Prior to commissioning/ positioning	$PS \times V \leq 200$	Qualified person
	with type examination certificate $PS \times V \leq 1000$	Qualified person
	$PS \times V > 200$	Approved inspection agency
Exterior inspection **	Once a year/ every 2 years $PS \times V \leq 1000$	Qualified person
Interior inspection **	Once every 5 years for $PS \times V \leq 1000$	Qualified person
	*Every 5 years $PS \times V > 1000$	Approved inspection agency

Check	Inspection periods	Inspection organisation
Strength test**	Once every 10 years $PS \times V \leq 1000$	Qualified person
	*Once every 10 years $PS \times V > 1000$	Approved inspection agency

*The employer must communicate the relevant inspection periods to the responsible authority within 6 months after commissioning the installation (par. 15 BetrSichV).

**External tests can be omitted: a) for pressure tanks according to point 2.2 (letter a) BetrSichV, unless they are fire-heated, heated exhaust gas or electrically heated, and

b) in the case of simple pressure tanks according to BetrSichV point 2.2 letter d. The deadline of the strength test may be extended to 15 years if it is shown in the external or internal test that the machine can be safely operated. The confirmation must be shown in the documentation of the risk assessment. Table according to BetrSichV (State: 29.03.2017).

Regulations for compressed air tanks in Austria

Pressure devices as of 0,5 bar are submitted to the „Vessel Law“ pressure devices monitoring directive (DGÜW-V) in Austria.

This directive makes a differentiation between low hazard potential (NGP) and high hazard potential (HGP).

NGP: Overall compressed air product (p x V) below 3000 litres

HGP: Overall compressed air product (p x V) above 3000 litres

NGP (Low risk potential)

For the devices that fall into the NGP, the operator has no obligation to inform boiler test centers. If a customer buys a device with NGP, he / she does NOT have to register this for the first inspection by a boiler testing center (TÜV Austria Services GmbH).

HGP (low hazard potential)

The operating company is not obligated to inform vessel inspection authorities for devices classified as NGP.

For devices that fall into the HGP you need a first operation test from a boiler testing center (TÜV Austria Services GmbH).

With the declaration of conformity and the operating instructions, the tank must be reported to the boiler testing center.

TÜV AUSTRIA SERVICES GMBH
 Lunzerstraße 89
 4030 Linz/Österreich
<http://www.tuv.at>

They carry out the service test. and stellen, if everything is ok, fill in a book. The container is then subjected to periodic inspections (eg test level 4, minor damage: every 2 years external examination, every 6 years an internal examination and every 12 years main examination)

2.7 Safety marking on the compressor

The following safety symbols are attached to the compressor:



Fig. 1: Safety symbols on the compressor

Damaged or missing safety symbols on the compressor may lead to errors and material damages. The safety symbols applied to the compressor must not be removed.

Please observe the following points:

The instructions of the safety symbols at the compressor must be observed under all circumstances. Attach new labels immediately if the safety symbols fade out or become damaged during the lifetime of the compressor. Damaged safety symbols must be replaced immediately.

The compressor must be put out of operation from the moment when the labels are unable to be recognized and understood at first glance, until new labels are attached.

2.8 Safety devices

Safety valve

The safety valve is located at the top of the housing (AIRBOY 186 OF E) or on the fitting (AIRBOY 206 OF E). When the safety value is reached, the safety valve opens and lets off air. After triggering the safety valve, the operator must turn off the compressor and request control by the maintenance personnel.

Motor protection

The compressor is equipped with a motor protection that automatically shuts off the compressor when overloaded. After a sufficient cooling phase, the compressor can be restarted.

3 Intended use

The compressor serves for the operation of pneumatic tools and pneumatic control systems and installations provided for this purpose. It was developed to aspire clean, dust-free and unloaded ambient air, and to compress it. The ambient air must not be loaded with aggressive or combustible additions. The compressor may only be operated in closed rooms with sufficient ventilation. It is protected against overheating with a motor protection switch. The motor protection switch triggers automatically when the safety limit values are reached. However we recommend not to load the compressor

above 50% of its capacity, and not to have it run in continuous operation for more than 15 minutes.

Furthermore, many accessories can be connected to the compressor beyond pneumatic tools, which can be used for blowing, washing and spray-painting. We kindly ask you to consult the corresponding operating manuals in order to ensure the correct usage of these accessories.

The compressor must not be used in the food and health area, e. g. for filling breathing gas cylinders.

the compressor and the connected pneumatic tools may only be operated by an instructed person. Children and adolescents must not operate the compressor and connected pneumatic tools.



DANGER!

The piston compressor, as produced in series, is not explosion-protected and must not be used in areas with explosion hazards!

The proper use also includes observing all indications in these operating instructions. Any use beyond the proper use or any other use is regarded as misuse.



WARNING!

Danger in case of misuse!

A misuse of the compressor can result in dangerous situations.

- Only operate the compressor in the power range given in the technical specifications.
- Never bypass or override the safety devices.
- Only operate the compressor in a technically flawless status.



NOTE !

If the compressors are not used as intended, or if the safety directives or operating instructions are ignored, or if the compressors are modified without authorisation, the liability of the manufacturer for any damages to persons or objects resulting here of is excluded and the claim under guarantee is becoming null and void!!

The compressor is a piston compressors driven by an electric motor and connected to a compressed air storage tank; it is intended to be sold and operated in the EU region as well as in the geographical region of Europe.

3.1 Foreseeable misuse

If the intended use is observed, any reasonably foreseeable misuse which could lead to hazardous situations with personal damage is impossible with the Compressor.

3.2 Residual risks

Even if all safety regulations are observed there will remain a residual risk in the operation of the compressor, described in the following. All persons working with the compressor must know these residual risks and follow the instructions which prevent any accidents or damages caused by these residual risks. During set-up and adjustment works it may become necessary to remove safety devices installed by the customer. This causes different residual risks and hazard potentials each operator must be aware of.

4 Technical data

	AIRBOY 186 OF E	AIRBOY 206 OF E
Maximum volume flow	180 l/min	180 l/min
Max. pressure	8 bar	8 bar
Tank capacity	6 Liters	6 Liters
Cylinders/levels	1 / 1	1 / 1
Number of revolutions	3400 rpm	3400 rpm
Engine power	1,1 kW / 230 V	1,1 kW / 230 V
Type of Protection	IP 20	IP 20
Duty cycle	S3-25	S3-25
Weight	9,2 kg	9,0 kg
Dimension(Lx-BxH) [mm]	315x355x370	385x170x465
Sound power level L_{WA}^*	97 dB(A)	97 dB(A)

*Sound power level according to DIN EN ISO 3744 (RL 2000/14/EG)

4.1 Type plate

The type plate (Abb.2) shows the following information:


Ölfreier Kolbenkompressor Oilless compressor		CE	
Typ Type	Airboy	Serien-Nr. Serial no.	
Artikel-Nr. Item no.		Baujahr Year of manufacture	
Motorleistung Motor power		Netzanschluss Power connection	230 V / 50 Hz
 www.aircraft.at		Aircraft Kompressorenbau GmbH Gewerbestr. Ost 6, 4921 Hohenzell Österreich / Austria	

Fig. 2: Type plate

Designation of model
Power of engine
connection data
Years of construction
Item number
Serial number

5 Transport, packaging, storage

5.1 Delivery and Transport

Delivery

Check the compressor for any visible transportation damages after delivery. If the compressor shows any damages, immediately inform the carrier or the distributor.

Check whether the compressor is complete and whether all parts included in the scope of delivery are present.

Transport

The compressor may only be transported with the engine switched off and disconnected from the mains. The container must not be under pressure during transport.

5.2 Packaging

Keep the packaging for a possible move, but at least during the warranty period.

All used packaging materials and packaging aids the compressor are recyclable and generally need to be transported to the material recycling.

Crush the packaging material made of cardboard and supply it to the waste paper collection.

The films are made of polyethylene (PE) and the upholstery parts are made of polystyrene (PS). These materials have to be delivered to a recycling station of the responsible dumping company.

5.3 Storage

The Compressor must be stored thoroughly cleaned in a dry, clean and frost-free environment.

Do not store or transport the compressor outside or in a moist environment.

6 Description of the device



Fig. 3: AIRBOY 186 OF E (above) and AIRBOY 206 OF E (below)

- 1 Safety valve
- 2 Pressure regulator for removal pressure
- 3 Pressure gauge container pressure
- 4 Compressed air tank
- 5 Suction cup
- 6 Tank drainage (hidden)
- 7 Pressure gauge extraction pressure
- 8 Compressed air extraction clutch
- 9 Handle
- 10 On / OFF Switch

7 Operation



ATTENTION!

The compressor may only be operated in an admissible temperature range of +5°C to +40°C!



ATTENTION!

Do not overload the compressor! Operate the compressor only in the power range specified in the technical data.

Duty cycle S3-25 means z. B. 2.5 minutes of operation and 7.5 minutes standstill.



WARNING!

Danger!

There is a risk of injury to the operator and other persons if they do not adhere to the following rules.

- The compressor may only be operated by a trained and experienced person.
- The operator may not work while under the influence of alcohol, drugs or medication.
- The operator must not work when he is tired or suffering from concentration-impairing illnesses.
- The compressor may only be operated by one person. Other persons must keep away from the work area during operation.



NOTE!

Before commissioning, the following must be observed.

- The mains voltage must correspond to the voltage specifications on the rating plate.
- The ON / OFF switch must be in the OFF position.
- The safety devices as well as the protective covers must be functional.



ATTENTION!

It is essential to avoid multiple switching on and off of the compressor at short notice, as this may damage the motor!



NOTE!

The compressor is designed for interval operation. For trouble-free operation, the duty cycle S3-25 must not be exceeded. If you e.g. 10 min. paint, the compressor must not last longer than 2.5 min. to run.



ATTENTION!

- The connected duck air tools must be designed for the outlet pressure of the compressor or operated with pressure reducer.



Use ear protection!



Use safety goggles!



Wear respiratory protection when working with dust or fog!



Use safety shoes!



Wear protective clothing!



DANGER!

The device may only be operated in a technically perfect condition. Any faults must be eliminated immediately.

Check the safety valve for proper function by pulling the ring outwards and thereby opening the safety valve (The Pressure vessel must be under pressure).

Motor protection

The compressor is equipped with a motor protection that automatically cuts off the power supply in case of overload. If the motor protection triggers a forced shut-down disconnect the compressor from the mains and wait 5 minutes before restarting the compressor. If the compressor does not start yet, wait another 3 minutes. If the compressor does not start, contact an authorized service center.

7.1 Assembly and installation

Mount the suction cups as shown in fig. 4.

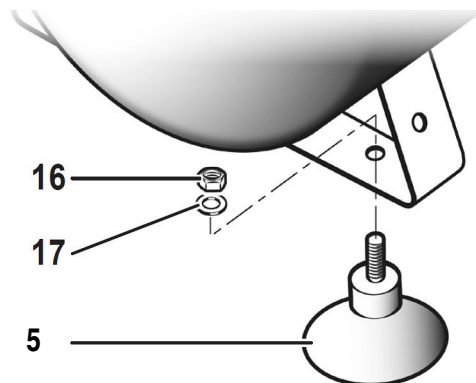


Fig. 4: Mount the suction cups

Design the working space around the compressor according to local safety regulations. The working space for operation, maintenance and repair must not be restricted.

Requirements for the installation site:

- Dry, dust-free,
- Cool, well ventilated, frost protected,
- Flat, firm ground



NOTE!

Always place the compressor at least 50 cm away from any obstruction that could obstruct the flow of air and thus cooling.



ATTENTION!

- Secure the compressor against tipping over and slipping.
- Ensure easy accessibility of controls and safety devices.

Install the compressor in a location the size of which allows the room temperature to be maintained at a maximum of 40 ° C while the compressor is operating.

Use the compressor only on firm, level ground. If it can not be avoided, a possible incline must not exceed 15 °.

7.2 Switch on

- Step 1: Check whether the mains voltage corresponds to the voltage indicated on the nameplate. Connect the compressor to the power supply.
- Step 2: Start the device with the **On-/Off-Switch**. The compressor remains in operation until the compressed air tank is filled. As soon as the maximum pressure (8 bar) is reached, the compressor stops automatically. The pressure value of the air in the tank is displayed on the manometer. It is normal for the compressor to stop and restart at certain intervals during use of the compressed air.

7.3 Adjustment of working pressure



ATTENTION!

The maximum pressure of the connected tool must not be exceeded.

The working pressure setting must be done with the tool connected and running in order to be able to set the actual required working pressure.

When using pneumatic tools, always check the optimum application pressure of the accessory.

The working pressure is with the pressure regulator (2, Fig. 3) adjusted and read on the manometer. The compressed air removal takes place via the coupling(8).

It is recommended to bring the pressure back to zero after using the device by continuing to operate the connected tool until the pressure has released.

7.4 Switch off

- Step 1: To zero the pressure after using the device, continue to operate the connected tool until the pressure has released.
- Step 2: Turn off the compressor with the ON / OFF switch and disconnect the power plug from the socket.



Use safety gloves!

- Step 2: Place a container under the condensate drain valve. Open the condensate drain valve to drain the pressure vessel.



ATTENTION!

If the condensation is not drained, the tank can corrode. This limits its capacity and compromises safety.

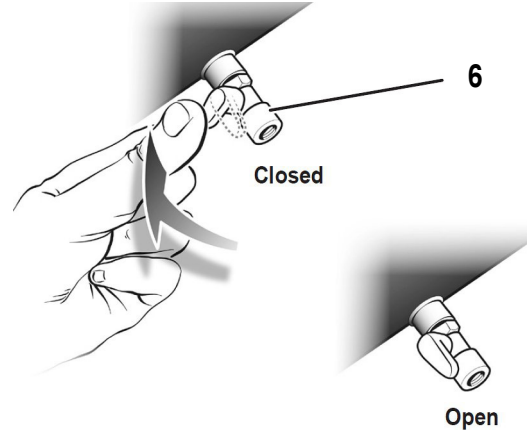


Fig. 5: condensate drain valve.

- Step 3: Close the condensate drain valve.

8 Maintenance, care and servicing/ repair

8.1 Cleaning



ATTENTION!

- Never use solvents to clean plastic parts or painted surfaces. A surface release and consequential damage may occur.



Use safety gloves!



NOTE!

Never use harsh detergents for cleaning. This can lead to damage or destruction of the device .

- Step 1: Before performing any cleaning work, switch off the compressor, disconnect the power plug, and drain all air from the reservoir.
- Step 2: Clean all plastic parts and painted surfaces with a soft, damp cloth and some neutral detergent. Always keep the cooling fins clean and free.

8.2 Maintenance



DANGER!

All work on electrical and pneumatic systems may only be carried out by qualified personnel who have been trained to do so and are familiar with the risks involved.



NOTE!

Observe the check intervals for pressure vessels (see chapter "Checking operational safety").



DANGER!

Electric shock is life-threatening!

There is a danger of life in case of contact with current running through components.

- Always disconnect the mains plug before you start cleaning and maintenance works.
- Connections and repairs of the electrical equipment may only be carried out by specialized electrical staff.



ATTENTION!

Before starting any maintenance work, switch off the compressor and allow it to cool completely.

Completely drain the compressed air. The container and the lines must not be under pressure.



ATTENTION!

After maintenance, repair and cleaning works, check if all covers and protective equipment are properly reassembled to the compressor and that there are no more tools inside or in the working area of the compressor.

Inform the dealer or the customer service in case of damaged protection devices.



Use protective gloves!



Use safety shoes!



Wear protective clothes!

Step 1: Before performing any maintenance, turn off the compressor, disconnect the power plug, and drain all air from the reservoir.

Daily:

Step 2: Before starting work, check the compressed air lines for damage and replace them if necessary.



Use safety gloves!

Step 3: Drain the condensed water by opening the valve below the tank. Close the valve again as soon as only air flows out without condensed water. Protective gloves must be worn for this. A flat container is recommended to catch the condensed water.

Every 6 months:

Step 2: Open the safety valve (Fig. 6) by pulling the ring outwards (the pressure tank must be under pressure) until the compressed air audibly blows off. Then release the ring.

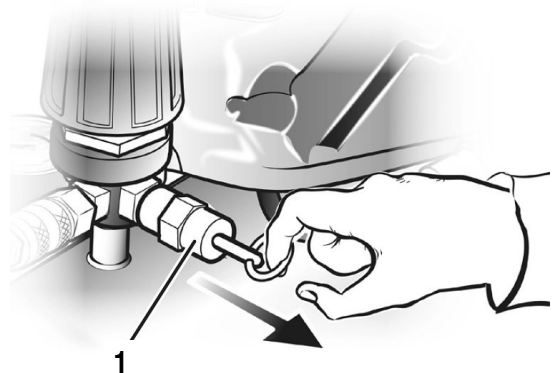


Fig. 6: Safety valve



ATTENTION!

The safety valve is set to the maximum pressure of the pressure vessel. Es ist nicht zulässig, das Sicherheitsventil zu verstellen oder dessen Plombe zu entfernen.

Step 3: Thoroughly clean all components that have ribs or fins.

8.3 Function test of the safety valve

Monthly check of the safety valve

- Step 1: Open the safety valve by pulling the ring outwards (the pressure vessel must be under pressure).
- Step 2: Check the safety valve for proper function - Regular starting of the safety valve is recommended per maintenance interval.

After the safety valve is triggered, the operator must turn off the compressor and request control by the maintenance personnel.

8.4 Service



DANGER!

Any servicing/maintenance work may only be carried out by a specialized company or by duly trained personnel. Any maintenance work on electrical equipment may only be carried out by specialized electrical staff or under the supervision and guidance of an electrical specialist.

8.6 Troubleshooting

The company AIRCRAFT Kompressoren does not take responsibility nor does it guarantee for damages and failures resulting of non-observance of this operating manual. For repairs only use faultless and suitable tools and original spare parts or parts from series expressly authorised by the company AIRCRAFT Kompressoren.

8.5 Information about the technical customer service

Repairs to be performed under the warranty may only be carried out by technicians authorised by us to do so. Use only original spare parts.

For all your inquiries and orders, please always indicate the TYPE DESIGNATION, the YEAR OF CONSTRUCTION, and the ITEM NUMBER of your compressor. You can find all these indications on the type plate which is fixed on the compressor.

Malfunction	Solution
The compressor doesn't reach the cut-out pressure.	Seals at the compressor or at the check valve leaking. Replace the seals.
The compressor switches off.	No malfunction, the storage tank is filled, maximum pressure is reached.
The compressor stops and doesn't start again.	<p>The motor protection switch has triggered. Leave the compressor switched off. Press the motor protection switch after approximately 20 minutes and switch the compressor on again. If the motor protection switch triggers again after the restart, please contact the customer service.</p> <p>The motor is defective. Please contact the customer service</p>
The compressor only operates shortly until reaching the cut-off pressure, and restarts a short time later.	Very much condensation in the pressure vessel. Drain condensation.
The tank pressure drops.	Check all connections and tighten if necessary. If the problem persists, contact customer service.
The safety valve blows off.	<p>1. Cut-off pressure at the pressure switch is set too high. Reduce cut-off pressure at the pressure switch.</p> <p>2. Safety valve defective. Replace safety valve.</p>
The compressor doesn't load end heats up excessively.	The cylinder head gasket or valve is damaged. Stop the compressor immediately and contact Customer Service.

9 Disposal, recycling of used devices

For environmental benefits it is necessary to ensure that all components of the compressor are only disposed of by the provided and allowed means.

9.1 Decommissioning

Immediately decommission used compressors in order to avoid later misuse and endangering of the environment or of persons.

- Dispose of all environmentally hazardous operating materials from the used compressor.
- If required, disassemble the compressor into easy-to-handle and usable components and parts.
- Supply the components and operating materials to the provided disposal routes.

9.2 Disposal of lubricants

The manufacturer of the lubricant makes the disposal instructions for the used lubricants available. If applicable, ask for the product-specific data sheets. Gegebenfalls nach den produktspezifischen Datenblättern fragen.

10 Spare parts



DANGER!

Risk of injury due to the use of wrong spare parts!

Dangers may result for the user and damages as well as malfunctions may be caused by using wrong or damaged spare parts.

- Only use original spare parts of the manufacturer or spare parts admitted by the manufacturer.
- Always contact the manufacturer in case of uncertainties.



Tips and recommendations

The manufacturer's warranty will become null and void if non admitted spare parts are being used

In case of service, the following drawings shall help to identify the necessary spare parts. If necessary, send a copy of the parts drawing with the marked components to your dealer.

10.1 Ordering spare parts

The spare parts may be purchased with the authorised dealer or directly with the manufacturer. Please find the corresponding contact data in Chapter 1.2 Customer service.

Indicate the following basic information for requests or orders of spare parts:

- Type of device
- Item No.
- spare parts drawing number
- Position No.
- Year of construction
- Quantity
- Required mode of dispatch (mail, freight, sea, air, express)
- Address of dispatch

Spare part orders which do not include the above indications may not be taken into consideration. If the indications regarding the mode of dispatch are missing, the product is dispatched at the discretion of the supplier.

You will find indications regarding the device type, item No. and year of construction on the type plate which is fixed on the compressor.

Example

The Safety valve for the compressor AIRBOY 186 OF E must be ordered. The Safety valve has the number 110 in the spare parts drawing 1.

By ordering spare parts, send a copy of the spare parts drawing (1) with the marked part (Safety valve) and marked position number (110) to the dealer or spare parts department and provide the following information:

- Type of device: **AIRBOY 186 OF E**
- Item number: **2001230**
- Drawing number: **1**
- Position number.: **110**

The item number of your device:

AIRBOY 186 OF E: **2001230**
compressor system: WDS
(Maintenance-free permanent lubrication)

AIRBOY 206 OF E: **2001235**
compressor system: WDS
(Maintenance-free permanent lubrication)

10.2 Spare parts drawing

The following drawings should help you in case of service to identify necessary spare parts. If necessary, send a copy of the parts drawing with the marked components to your dealer.

Spare parts drawing AIRBOY 186 OF E

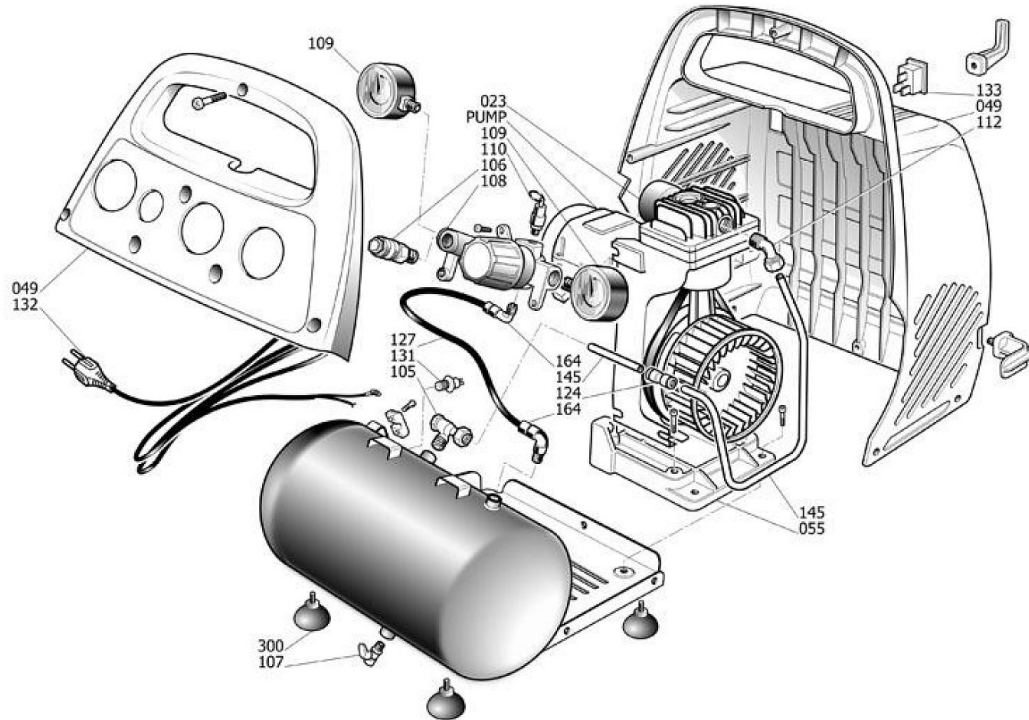


Fig. 7: Spare parts drawing AIRBOY 186 OF E

Spare parts drawing AIRBOY 206 OF E

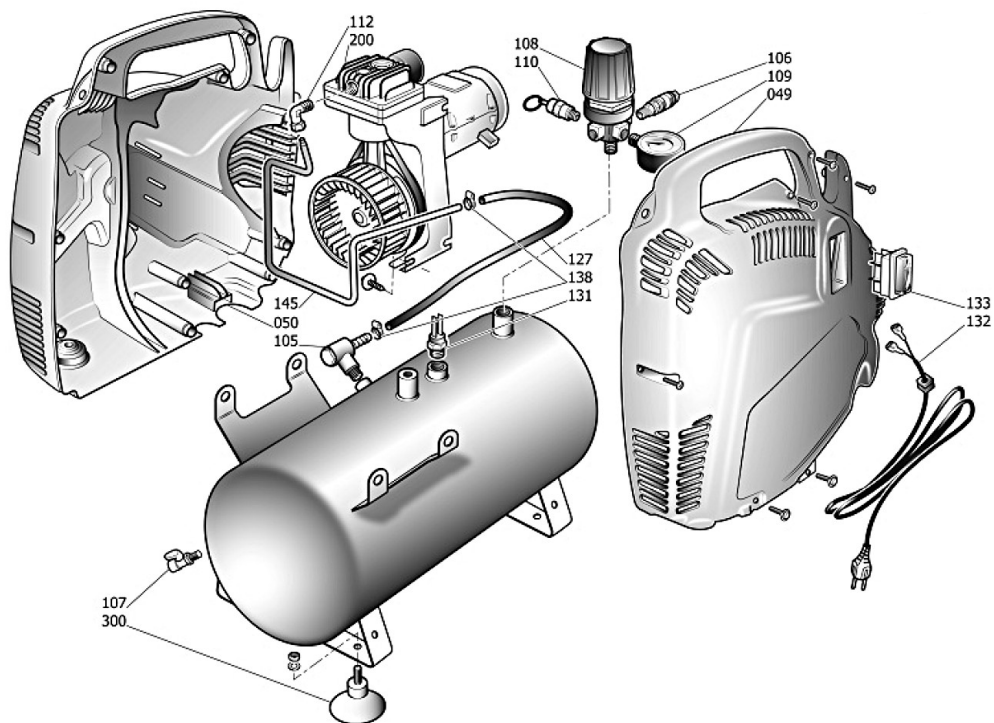


Fig. 8: Spare parts drawing AIRBOY 206 OF E

Spare parts drawing compressor AIRBOY 186 OF E and AIRBOY 206 OF E

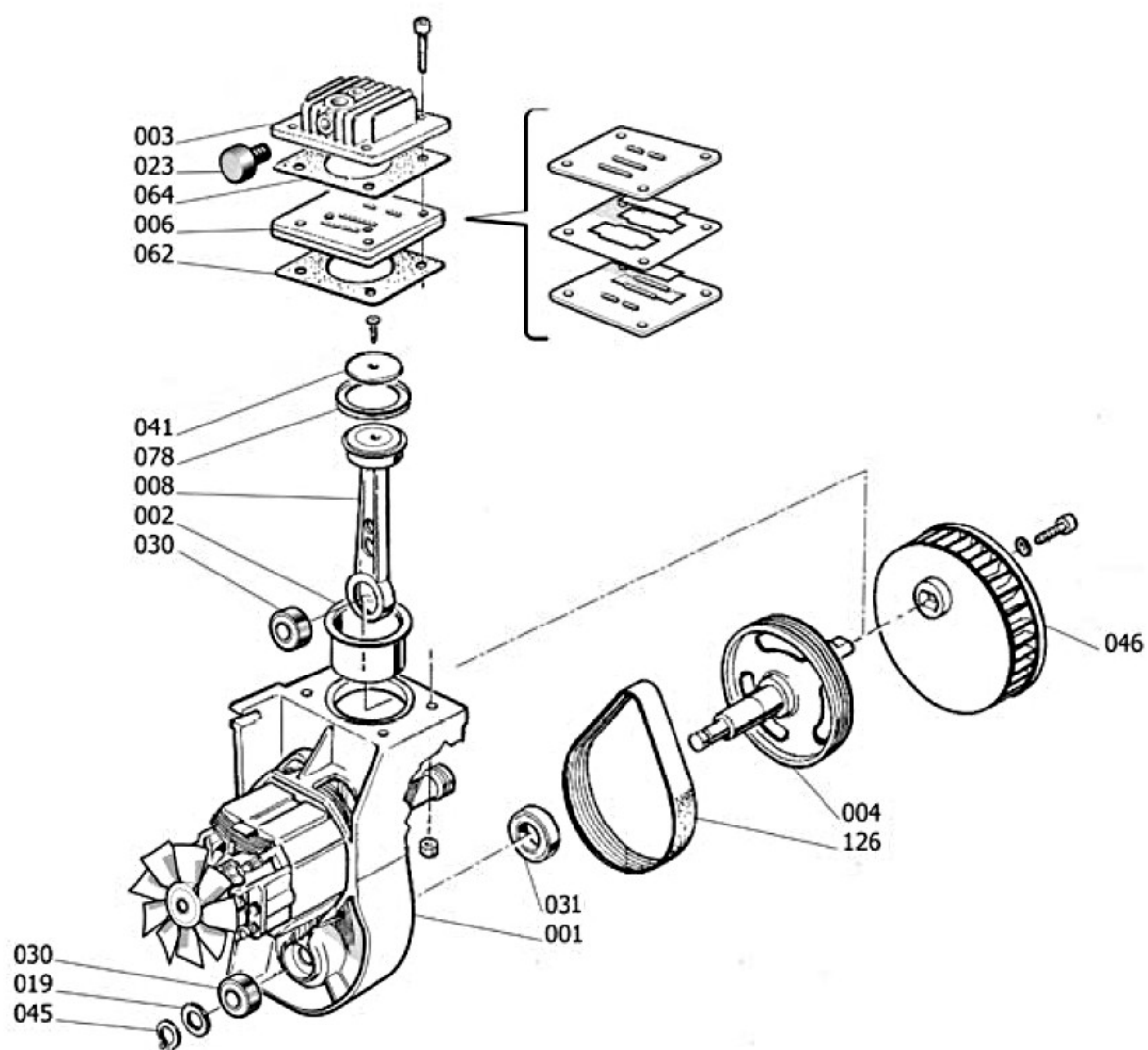


Fig. 9: AIRBOY 186 OF E and AIRBOY 206 OF E

11 EC-Declaration of Conformity

According to Machinery Directive 2006/42/EG attachment II 1.A

Manufacturer/distributing company: AIRCRAFT Kompressorenbau und Maschinenhandel GmbH
Gewerbestraße Ost 6
A-4921 Hohenzell

herewith declares that the following product

Product group: AIRCRAFT® Compressed air technology

Machine type: Piston compressor

Designation of the machine*: **Item number:**

☐ AIRBOY 186 OF E 2001230
☐ AIRBOY 206 OF E 2001235

Serial number*: _____

Year of manufacture*: 20_____

corresponds, on the basis of its design and construction, as well as the version that we have put into circulation, with the relevant fundamental health and safety requirements of the subsequent EC guidelines.

EU directives: 2014/30/EU EMV Directive
2014/68/EU Pressure Equipment Directive
2014/29/EU Directive on simple pressure vessels


The following harmonized standards were applied

DIN EN 1012-1:2011-02	Compressors and vacuum pumps– safety requirements– Part 1: Compressors
DIN EN 60204-1:2019-01	Safety of machines – Electrical equipment of machines – Part 1: General requirements
DIN EN 60335-1:2012-10	Safety of household and similar electrical appliances – Part 1: general requirements
DIN EN 61000-6-4:2011-09	Electromagnetic compatibility (EMC) – Part 6-4: Generic standards Emission for industrial environments

Person responsible for the documentation: Klaus Hütter, Kompressorenbau und Maschinenhandel GmbH,
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Hohenzell, 19.04.2016

Hallstadt, 19.04.2016



Klaus Hütter
Business Manager



Kilian Stürmer
Business Manager



* Fill in these fields according to the information on the type plate.

